



OIKE

RAW SEQUENCE LISTING

DATE: 01/18/2002

PATENT APPLICATION: US/10/033,522

TIME: 08:04:52

Input Set : A:\2982-A.txt

Output Set: N:\CRF3\01182002\J033522.raw

ENTERED

3 <110> APPLICANT: MOHLER, Kendall M.

5 <120> TITLE OF INVENTION: Methods for Treating Rheumatoid Arthritis Using IL-17

Antagonists

7 <130> FILE REFERENCE: 2982-A

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/033,522

10 <141> CURRENT FILING DATE: 2001-10-18

12 <150> PRIOR APPLICATION NUMBER: US 60/241,230

13 <151> PRIOR FILING DATE: 2000-10-18

15 <160> NUMBER OF SEQ ID NOS: 4

17 <170> SOFTWARE: PatentIn version 3.1

19 <210> SEQ ID NO: 1

20 <211> LENGTH: 866

21 <212> TYPE: PRT

22 <213> ORGANISM: Homo sapiens

24 <400> SEQUENCE: 1

26 Met Gly Ala Ala Arg Ser Pro Pro Ser Ala Val Pro Gly Pro Leu Leu

27 1 5 10 15

30 Gly Leu Leu Leu Leu Leu Leu Gly Val Leu Ala Pro Gly Gly Ala Ser

31 20 25 30

34 Leu Arg Leu Leu Asp His Arg Ala Leu Val Cys Ser Gln Pro Gly Leu

35 35 40 45

38 Asn Cys Thr Val Lys Asn Ser Thr Cys Leu Asp Asp Ser Trp Ile His

39 50 55 60

42 Pro Arg Asn Leu Thr Pro Ser Ser Pro Lys Asp Leu Gln Ile Gln Leu

43 65 70 75 80

46 His Phe Ala His Thr Gln Gln Gly Asp Leu Phe Pro Val Ala His Ile

47 85 90 95

50 Glu Trp Thr Leu Gln Thr Asp Ala Ser Ile Leu Tyr Leu Glu Gly Ala

51 100 105 110

54 Glu Leu Ser Val Leu Gln Leu Asn Thr Asn Glu Arg Leu Cys Val Arg

55 115 120 125

58 Phe Glu Phe Leu Ser Lys Leu Arg His His His Arg Arg Trp Arg Phe

59 130 135 140

62 Thr Phe Ser His Phe Val Val Asp Pro Asp Gln Glu Tyr Glu Val Thr

63 145 150 155 160

66 Val His His Leu Pro Lys Pro Ile Pro Asp Gly Asp Pro Asn His Gln

67 165 170 175

70 Ser Lys Asn Phe Leu Val Pro Asp Cys Glu His Ala Arg Met Lys Val

71 180 185 190

74 Thr Thr Pro Cys Met Ser Ser Gly Ser Leu Trp Asp Pro Asn Ile Thr

75 195 200 205

78 Val Glu Thr Leu Glu Ala His Gln Leu Arg Val Ser Phe Thr Leu Trp

79 210 215 220

82 Asn Glu Ser Thr His Tyr Gln Ile Leu Leu Thr Ser Phe Pro His Met

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83 225          230          235          240
86 Glu Asn His Ser Cys Phe Glu His Met His His Ile Pro Ala Pro Arg
87          245          250          255
90 Pro Glu Glu Phe His Gln Arg Ser Asn Val Thr Leu Thr Leu Arg Asn
91          260          265          270
94 Leu Lys Gly Cys Cys Arg His Gln Val Gln Ile Gln Pro Phe Phe Ser
95          275          280          285
98 Ser Cys Leu Asn Asp Cys Leu Arg His Ser Ala Thr Val Ser Cys Pro
99          290          295          300
102 Glu Met Pro Asp Thr Pro Glu Pro Ile Pro Asp Tyr Met Pro Leu Trp
103 305          310          315          320
106 Val Tyr Trp Phe Ile Thr Gly Ile Ser Ile Leu Leu Val Gly Ser Val
107          325          330          335
110 Ile Leu Leu Ile Val Cys Met Thr Trp Arg Leu Ala Gly Pro Gly Ser
111          340          345          350
114 Glu Lys Tyr Ser Asp Asp Thr Lys Tyr Thr Asp Gly Leu Pro Ala Ala
115          355          360          365
118 Asp Leu Ile Pro Pro Pro Leu Lys Pro Arg Lys Val Trp Ile Ile Tyr
119          370          375          380
122 Ser Ala Asp His Pro Leu Tyr Val Asp Val Val Leu Lys Phe Ala Gln
123 385          390          395          400
126 Phe Leu Leu Thr Ala Cys Gly Thr Glu Val Ala Leu Asp Leu Leu Glu
127          405          410          415
130 Glu Gln Ala Ile Ser Glu Ala Gly Val Met Thr Trp Val Gly Arg Gln
131          420          425          430
134 Lys Gln Glu Met Val Glu Ser Asn Ser Lys Ile Ile Val Leu Cys Ser
135          435          440          445
138 Arg Gly Thr Arg Ala Lys Trp Gln Ala Leu Leu Gly Arg Gly Ala Pro
139          450          455          460
142 Val Arg Leu Arg Cys Asp His Gly Lys Pro Val Gly Asp Leu Phe Thr
143 465          470          475          480
146 Ala Ala Met Asn Met Ile Leu Pro Asp Phe Lys Arg Pro Ala Cys Phe
147          485          490          495
150 Gly Thr Tyr Val Val Cys Tyr Phe Ser Glu Val Ser Cys Asp Gly Asp
151          500          505          510
154 Val Pro Asp Leu Phe Gly Ala Ala Pro Arg Tyr Pro Leu Met Asp Arg
155          515          520          525
158 Phe Glu Glu Val Tyr Phe Arg Ile Gln Asp Leu Glu Met Phe Gln Pro
159          530          535          540
162 Gly Arg Met His Arg Val Gly Glu Leu Ser Gly Asp Asn Tyr Leu Arg
163 545          550          555          560
166 Ser Pro Gly Gly Arg Gln Leu Arg Ala Ala Leu Asp Arg Phe Arg Asp
167          565          570          575
170 Trp Gln Val Arg Cys Pro Asp Trp Phe Glu Cys Glu Asn Leu Tyr Ser
171          580          585          590
174 Ala Asp Asp Gln Asp Ala Pro Ser Leu Asp Glu Glu Val Phe Glu Glu
175          595          600          605
178 Pro Leu Leu Pro Pro Gly Thr Gly Ile Val Lys Arg Ala Pro Leu Val
179          610          615          620

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182 Arg Glu Pro Gly Ser Gln Ala Cys Leu Ala Ile Asp Pro Leu Val Gly
183 625 630 635 640
186 Glu Glu Gly Gly Ala Ala Val Ala Lys Leu Glu Pro His Leu Gln Pro
187 645 650 655
190 Arg Gly Gln Pro Ala Pro Gln Pro Leu His Thr Leu Val Leu Ala Ala
191 660 665 670
194 Glu Glu Gly Ala Leu Val Ala Ala Val Glu Pro Gly Pro Leu Ala Asp
195 675 680 685
198 Gly Ala Ala Val Arg Leu Ala Leu Ala Gly Glu Gly Glu Ala Cys Pro
199 690 695 700
202 Leu Leu Gly Ser Pro Gly Ala Gly Arg Asn Ser Val Leu Phe Leu Pro
203 705 710 715 720
206 Val Asp Pro Glu Asp Ser Pro Leu Gly Ser Ser Thr Pro Met Ala Ser
207 725 730 735
210 Pro Asp Leu Leu Pro Glu Asp Val Arg Glu His Leu Glu Gly Leu Met
211 740 745 750
214 Leu Ser Leu Phe Glu Gln Ser Leu Ser Cys Gln Ala Gln Gly Gly Cys
215 755 760 765
218 Ser Arg Pro Ala Met Val Leu Thr Asp Pro His Thr Pro Tyr Glu Glu
219 770 775 780
222 Glu Gln Arg Gln Ser Val Gln Ser Asp Gln Gly Tyr Ile Ser Arg Ser
223 785 790 795 800
226 Ser Pro Gln Pro Pro Glu Gly Leu Thr Glu Met Glu Glu Glu Glu
227 805 810 815
230 Glu Glu Gln Asp Pro Gly Lys Pro Ala Leu Pro Leu Ser Pro Glu Asp
231 820 825 830
234 Leu Glu Ser Leu Arg Ser Leu Gln Arg Gln Leu Leu Phe Arg Gln Leu
235 835 840 845
238 Gln Lys Asn Ser Gly Trp Asp Thr Met Gly Ser Glu Ser Glu Gly Pro
239 850 855 860
242 Ser Ala
243 865
246 <210> SEQ ID NO: 2
247 <211> LENGTH: 212
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo sapiens
251 <400> SEQUENCE: 2
253 Arg Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
254 1 5 10 15
257 Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
258 20 25 30
261 Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
262 35 40 45
265 Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
266 50 55 60
269 Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
270 65 70 75 80
273 Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
274 85 90 95

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277 Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
278          100          105          110
281 Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
282          115          120          125
285 Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn
286          130          135          140
289 Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
290 145          150          155          160
293 Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
294          165          170          175
297 Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
298          180          185          190
301 Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
302          195          200          205
305 Ser Val Met His
306          210
309 <210> SEQ ID NO: 3
310 <211> LENGTH: 31
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapien
314 <400> SEQUENCE: 3
316 Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Leu Ser Lys Ile Tyr His
317 1          5          10          15
320 Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu Arg
321          20          25          30
324 <210> SEQ ID NO: 4
325 <211> LENGTH: 31
326 <212> TYPE: PRT
327 <213> ORGANISM: Homo sapiens
329 <400> SEQUENCE: 4
331 Lys Gln Leu Glu Asp Lys Leu Glu Glu Leu Leu Ser Lys Leu Tyr His
332 1          5          10          15
335 Leu Glu Asn Glu Leu Ala Arg Leu Lys Lys Leu Leu Gly Glu Arg
336          20          25          30

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number